Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/01/2016 10:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124354	-1	3.32	124362	3.29
Blue	F	SSC	125000	124958	-1	5.78	126167	5.70
Blue	E	FITC	17316	16734	-4	3.96	946	9.75
Blue	D	PE	22501	21738	-4	3.66	978	8.84
Blue	B	PerCP-Cy5-5	67647	66302	-2	4.10	1741	13.58
Blue	A	PE-Cy7	80682	80173	-1	4.95	1043	25.05
Red	C	APC	64263	63761	-1	2.92	3570	8.49
Red	A	APC-Cy7	96129	95409	-1	2.95	1891	8.33
Violet	B	V450	11714	11223	-5	3.41	699	8.33
Violet	A	V500	48394	46806	-4	2.93	2646	5.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21290	4.60	605	16	N/A	N/A	Pass
Blue	F	SSC	62550	5.09	521	7	N/A	N/A	Pass
Blue	E	FITC	101	38.02	520	0	0.0236	193	Pass
Blue	D	PE	200	25.83	514	0	0.1693	161	Pass
Blue	B	PerCP-Cy5-5	210	40.27	608	1	0.0111	8	Pass
Blue	A	PE-Cy7	77	98.84	664	1	0.0150	10	Pass
Red	C	APC	333	27.14	589	4	0.0198	3	Pass
Red	A	APC-Cy7	119	39.16	567	2	0.0044	774	Pass
Violet	B	V450	74	43.31	455	-1	0.0420	1802	Pass
Violet	A	V500	173	23.64	486	-1	0.0126	332	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.40	-31.73	0.84
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.30
Red	15.85	13.28 - 19.92	N/A	N/A	31.73	32.39	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 10059

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments